

WHAT IS CLAIMED IS:

1. A hydraulic brake device having a pressurized fluid generator for generating pressurized fluid supplied to plural brakes which respectively restrict the rotations of road wheels, a solenoid block mounted on said pressurized fluid generator and containing plural solenoid valves therein, and an ECU provided with a control board for controlling said solenoid valves to distribute pressurized fluid to said plural brakes and also provided with a case for containing said control board therein; wherein:

    said solenoid block and said ECU are constructed to be an integrated structure;

    and

    said integrated structure composed of said solenoid block and said ECU is removably mounted on said pressurized fluid generator.

2. A hydraulic brake device having a master cylinder for generating pressurized fluid supplied to plural brakes which respectively restrict the rotations of road wheels, a fluid booster for assisting said master cylinder in generating said pressurized fluid, a solenoid block mounted on a mounting portion provided on said master cylinder and containing plural solenoid valves therein, and an ECU provided with a control board for controlling said solenoid valves to distribute pressurized fluid to said plural brakes and also provided with a case for containing said control board therein; wherein:

    said solenoid block and said ECU are constructed to be an integrated structure;

    and

    said integrated structure composed of said solenoid block and said ECU is removably mounted on said master cylinder or said fluid booster.

3. A hydraulic brake device having a master cylinder of the vacuum booster type for generating pressurized fluid supplied to plural brakes which respectively restrict the rotations of road wheels, a hydraulic pump driven by an electric motor for generating pressurized fluid supplied to said plural brakes independently of said master cylinder, a solenoid block mounted on a pump block containing said hydraulic pump and provided with plural solenoid valves therein, and an ECU having a control board for controlling said solenoid valves to distribute pressurized fluid supplied from said

hydraulic pump to said plural brakes and also provided with a case for containing said control board therein; wherein:

    said solenoid block and said ECU are constructed to be an integrated structure;

and

    said integrated structure composed of said solenoid block and said ECU is removably mounted on said pump block.

4. A hydraulic brake device having a master cylinder for generating a fluid pressure signal corresponding to a brake manipulation force, a hydraulic pump provided independently of said master cylinder and driven by an electric motor in dependence on said fluid pressure signal indicative of said brake manipulation force for generating pressurized fluid supplied to plural brakes independently of said master cylinder, a solenoid block mounted on a pump block containing said hydraulic pump and provided with plural solenoid valves therein, and an ECU provided with a control board for controlling said solenoid valves to distribute pressurized fluid to said plural brakes and also provided with a case for containing said control board therein; wherein:

    said solenoid block and said ECU are constructed to be an integrated structure;

and

    said integrated structure composed of said solenoid block and said ECU is removably mounted on said pump block.

5. A hydraulic brake device having a master cylinder for generating a fluid pressure signal corresponding to a brake manipulation force, a hydraulic pump provided bodily with said master cylinder and driven by an electric motor in dependence on said fluid pressure signal indicative of said brake manipulation force for generating pressurized fluid supplied to plural brakes independently of said master cylinder, a solenoid block mounted on a mounting portion provided on said master cylinder and provided with plural solenoid valves therein, and an ECU provided with a control board for controlling said solenoid valves to distribute pressurized fluid to said plural brakes and also provided with a case for containing said control board therein; wherein:

    said solenoid block and said ECU are constructed to be an integrated structure;

and

    said integrated structure composed of said solenoid block and said ECU is removably mounted on said master cylinder.

6. A hydraulic brake device as set forth in Claim 1, wherein:

    said ECU is secured to said solenoid block by means of screw bolts which are arranged within an area inside the external form of said control board contained in said case.

7. A hydraulic brake device as set forth in Claim 2, wherein:

    said ECU is secured to said solenoid block by means of screw bolts which are arranged within an area inside the external form of said control board contained in said case.

8. A hydraulic brake device as set forth in Claim 3, wherein:

    said ECU is secured to said solenoid block by means of screw bolts which are arranged within an area inside the external form of said control board contained in said case.

9. A hydraulic brake device as set forth in Claim 4, wherein:

    said ECU is secured to said solenoid block by means of screw bolts which are arranged within an area inside the external form of said control board contained in said case.

10. A hydraulic brake device as set forth in Claim 5, wherein:

    said ECU is secured to said solenoid block by means of screw bolts which are arranged within an area inside the external form of said control board contained in said case.

11. A hydraulic brake device as set forth in Claim 2, wherein:

    said integrated structure is secured to said master cylinder by means of screw bolts which pass through said mounting portion.

12. A hydraulic brake device as set forth in Claim 5, wherein:

    said integrated structure is secured to said master cylinder by means of screw bolts which pass through said mounting portion.

13. A hydraulic brake device as set forth in Claim 3, wherein:  
said integrated structure is secured to said pump block by means of screw bolts  
which pass through said pump block.
14. A hydraulic brake device as set forth in Claim 4, wherein:  
said integrated structure is secured to said pump block by means of screw bolts  
which pass through said pump block.